

Figure 1

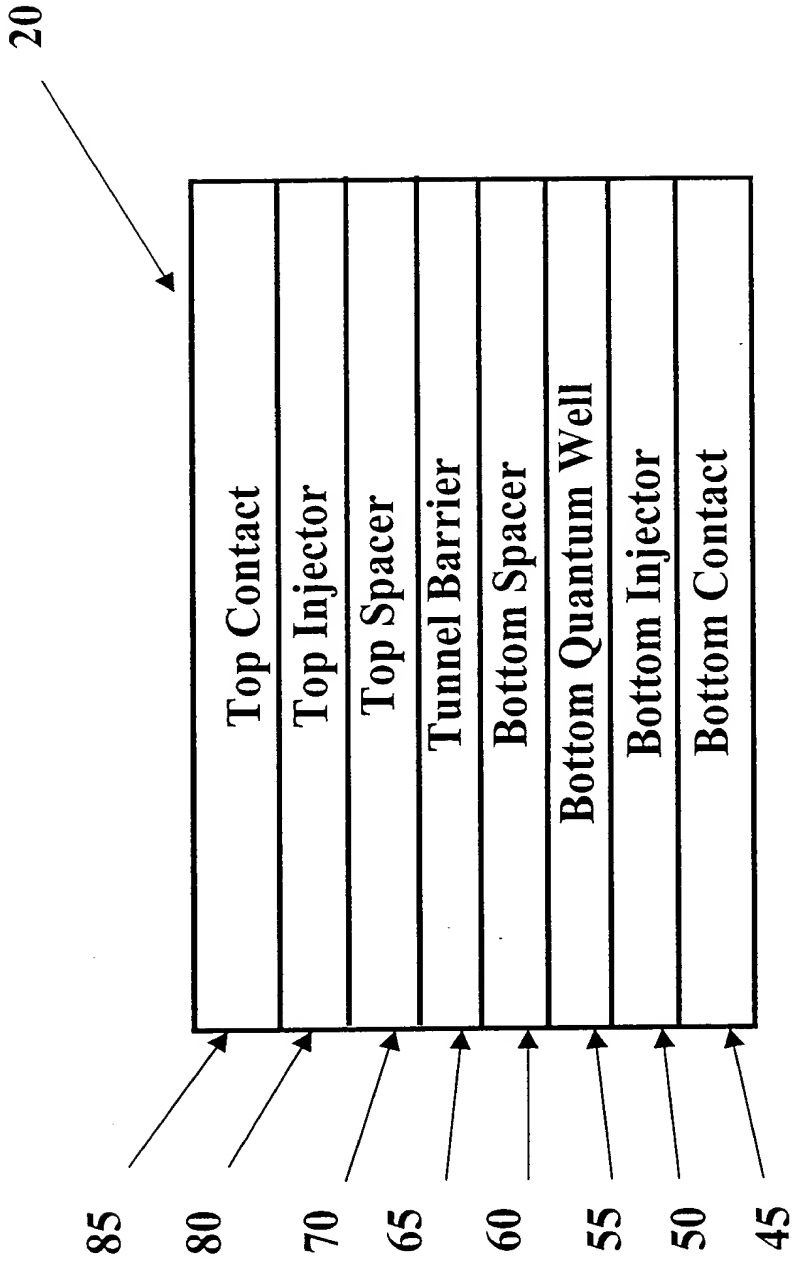


Figure 2

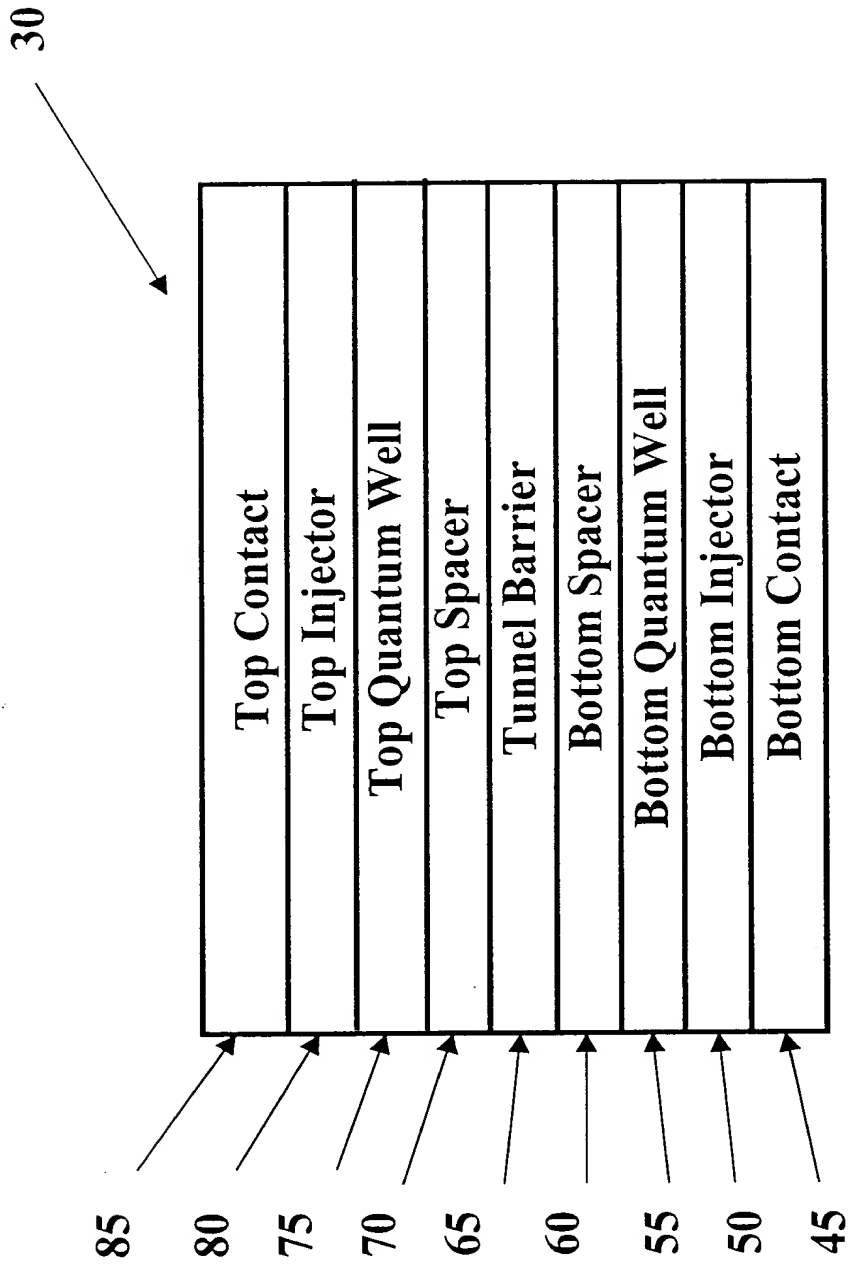


Figure 3

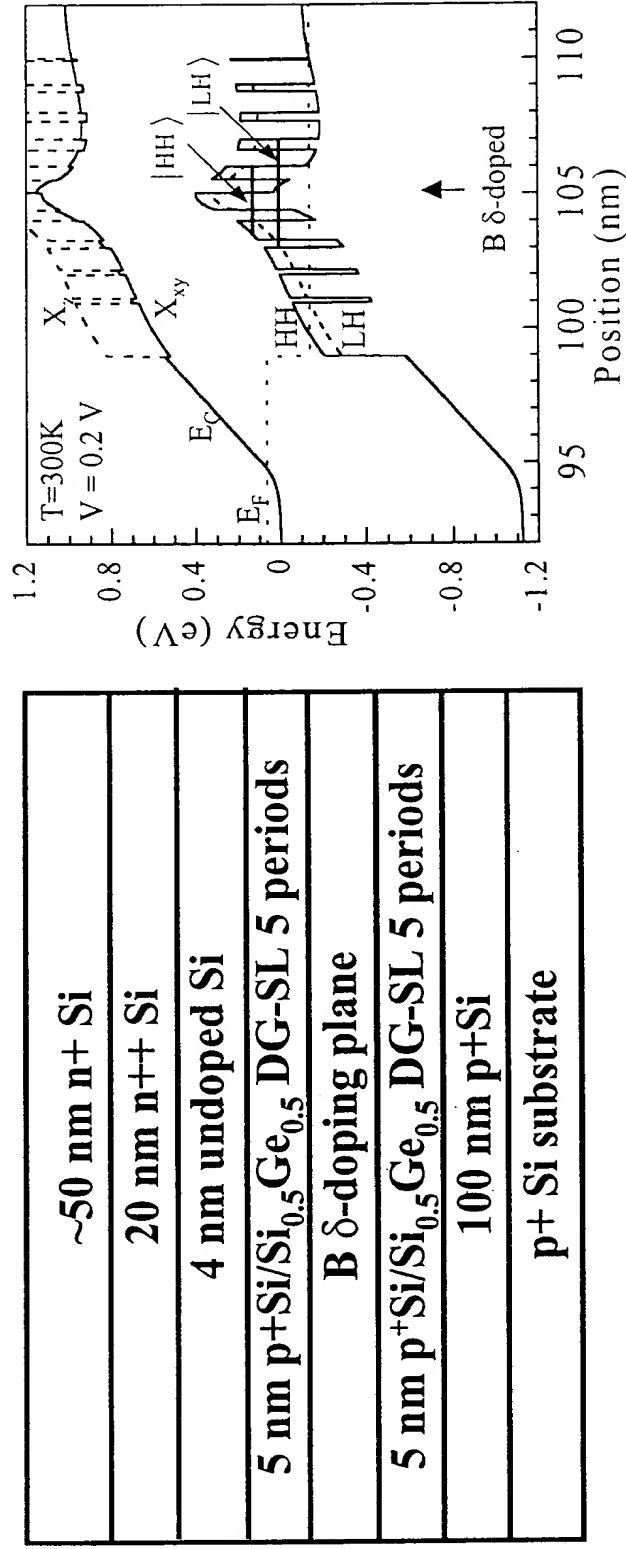
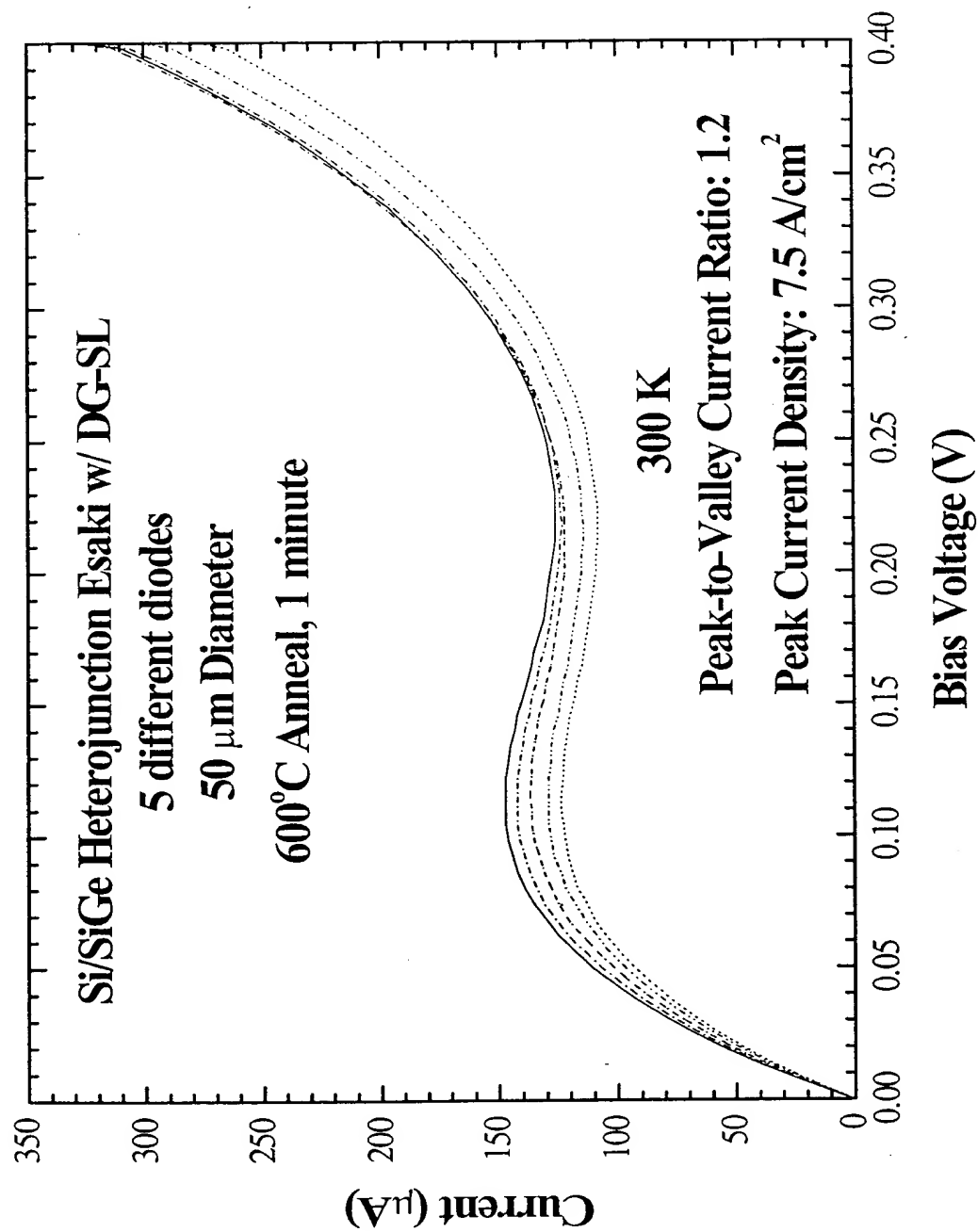


Figure 4

**Figure 5**

100 nm n+ Si	100 nm n+ Si
Sb-delta doping plane	Sb-delta doping plane
1 nm undoped Si	1 nm undoped Si
4 nm undoped Si _{0.5} Ge _{0.5}	4 nm undoped Si _{0.5} Ge _{0.5}
1 nm undoped Si	1 nm undoped Si
B-delta doping plane	B-delta doping plane
100 nm p+Si	100 nm p+Si
p+ Si substrate	p+ Si substrate

TD1

TD2

(a)

(b)

Figure 6

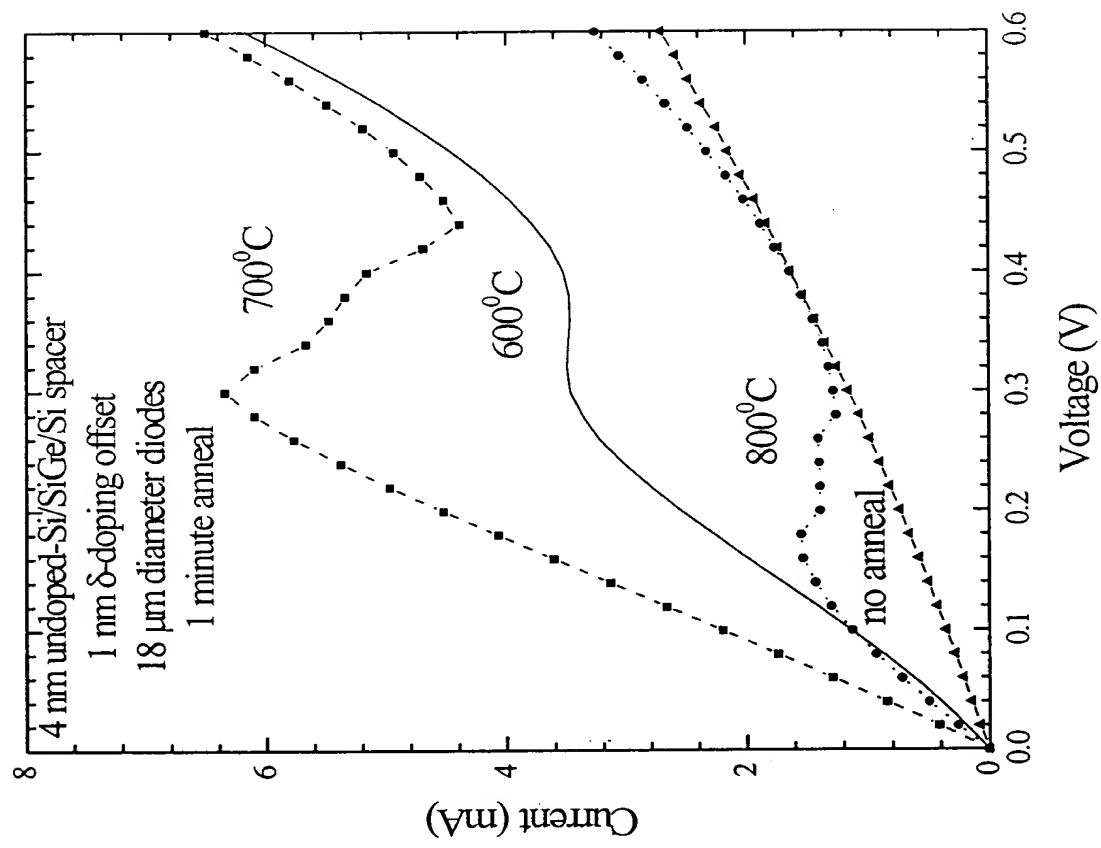
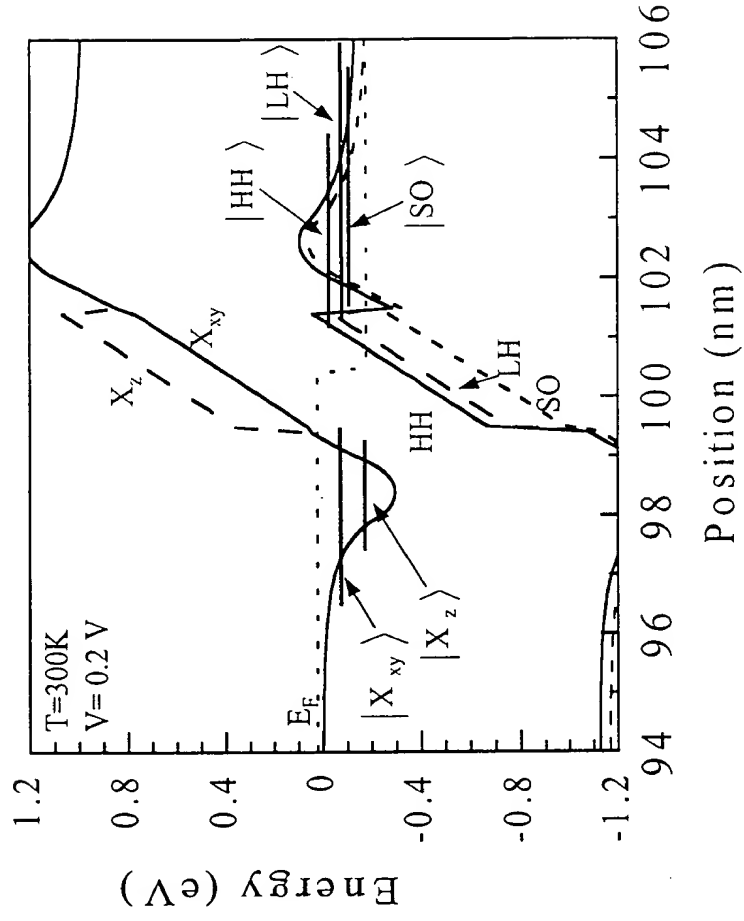


Figure 7

100 nm n+ Si
Sb δ -doping plane
1 nm undoped Si
2 nm undoped Si _{0.5} Ge _{0.5}
1 nm undoped Si
B δ -doping plane
100 nm p+Si
p+ Si substrate

TD3

(a)



(b)

Figure 8

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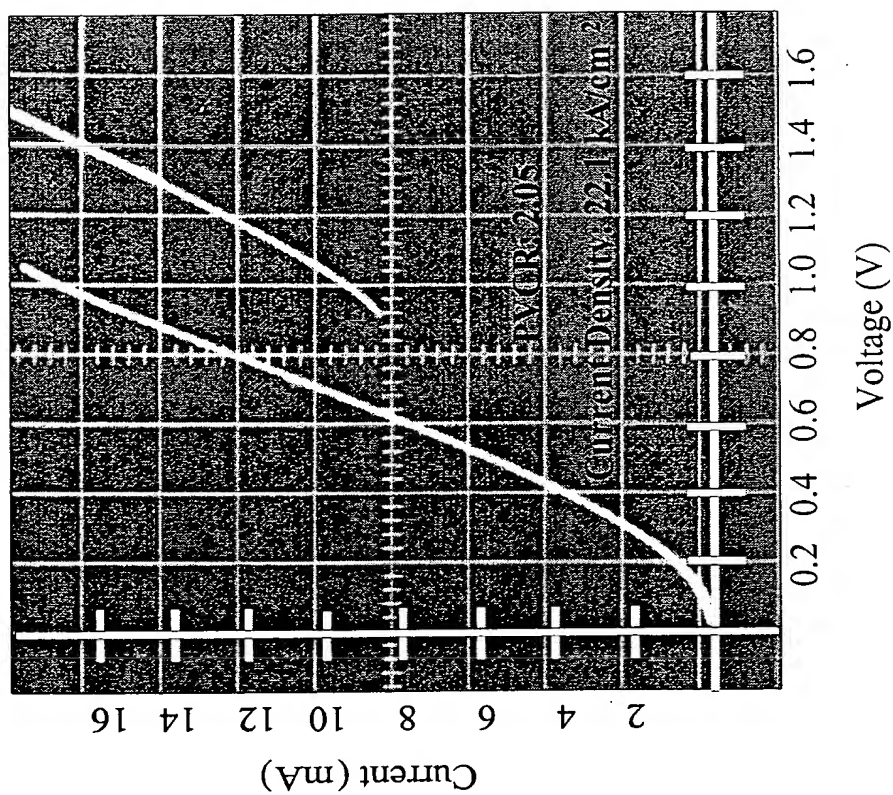


Figure 9